

0020536

## ENGINEERING CHANGE NOTICE

Page 1 of 4

1. ECN 166761

Proj.  
ECN

2. ECN Category (mark one)		Supplemental	<input checked="" type="checkbox"/>	Change ECN	<input type="checkbox"/>	Supersedure	<input type="checkbox"/>	
Cancel/Void		<input type="checkbox"/>	Direct Revision	<input type="checkbox"/>	Temporary	<input type="checkbox"/>	Discovery	<input type="checkbox"/>
3. Originator's Name, Organization, MSIN, and Telephone No. L. C. Swanson, Geosciences Group, H5-29, 6-1438, N. A. Ballantyne, H4-56, 6-9127						4. Date March 10, 1992		
5. Project Title/No./Work Order No. Interim-Status Ground-Water Monitoring Plan for the Grout Treatment Facility				6. Bldg./Sys./Fac. No. Grout Treatment Facility		7. Impact Level 2		
8. Document Number Affected (include rev. and sheet no.) WHC-SD-EN-AP-006, Rev. 0 3543				9. Related ECN No(s). None		10. Related PO No. N/A		
11a. Modification Work  <input type="checkbox"/> Yes (fill out Blk. 11b) <input checked="" type="checkbox"/> No (NA Blks. 11b, 11c, 11d)		11b. Work Package Doc. No. N/A		11c. Complete Installation Work  N/A  _____ Cog. Engineer Signature & Date		11d. Complete Restoration (Temp. ECN only) N/A  _____ Cog. Engineer Signature & Date		
12. Description of Change Page 55, add the following paragraph to the section <u>Installation of New Characterization/Monitoring Wells</u> : Five downgradient wells are proposed for construction along the GTF point of compliance: two wells in 1992 and three in 1993. These wells will be spaced 250 ft apart along the point of compliance that extends to the southwest of well 299-E25-38. The point of compliance was originally located 140 ft south of the Waste Management Area (WMA) but has been extended an additional 110 ft to the south to accomodate excavation activities during vault construction (Figure 3.1). The modified point of compliance is still located such that any statistically significant amount of hazardous waste migrating from the WMA will be immediately detected in the proposed wells.  Continued on page 3.								
13a. Justification (mark one)		Criteria Change	<input type="checkbox"/>	Environmental	<input checked="" type="checkbox"/>	Facilitate Const.	<input type="checkbox"/>	
Design Error/Omission		<input type="checkbox"/>	Design Improvement	<input type="checkbox"/>	As-Found	<input type="checkbox"/>	Const. Error/Omission	<input type="checkbox"/>
13b. Justification Details To update the Ground Water Monitoring Plan on monitoring well placement for FY 1992. Well placement is determined from findings of the recent MEMO model study and are identified in the RCRA Part B Permit Application.								
14. Distribution (include name, MSIN, and no. of copies) A.J. KNEPP-----H4-56 R.L. JACKSON-----H4-56 B.A. WILLIAMS-----H4-56 K.D. REYNOLDS-----H5-29 J.F. KELLER-----L4-78 L.C. SWANSON-----H5-29 D.K. TYLER-----H5-29						RELEASE STAMP  APR 1992 RECEIVED EDMC		

## ENGINEERING CHANGE NOTICE

Page 2 of 4

1. ECN (use no. from pg. 1)

166761

15. Design Verification Required		16. Cost Impact				17. Schedule Impact (days)	
		ENGINEERING		CONSTRUCTION			
<input type="checkbox"/> Yes		Additional	<input type="checkbox"/> \$N/A	Additional	<input type="checkbox"/> \$N/A	Improvement	N/A
<input checked="" type="checkbox"/> No		Savings	<input type="checkbox"/> \$N/A	Savings	<input type="checkbox"/> \$N/A	Delay	N/A
18. Change Impact Review: Indicate the related documents (other than the engineering documents identified on Side 1) that will be affected by the change described in Block 12. Enter the affected document number in Block 19.							
SDD/DD	<input type="checkbox"/>	Seismic/Stress Analysis	<input type="checkbox"/>	Tank Calibration Manual	<input type="checkbox"/>		
Functional Design Criteria	<input type="checkbox"/>	Stress/Design Report	<input type="checkbox"/>	Health Physics Procedure	<input type="checkbox"/>		
Operating Specification	<input type="checkbox"/>	Interface Control Drawing	<input type="checkbox"/>	Spares Multiple Unit Listing	<input type="checkbox"/>		
Criticality Specification	<input type="checkbox"/>	Calibration Procedure	<input type="checkbox"/>	Test Procedures/Specification	<input type="checkbox"/>		
Conceptual Design Report	<input type="checkbox"/>	Installation Procedure	<input type="checkbox"/>	Component Index	<input type="checkbox"/>		
Equipment Spec.	<input type="checkbox"/>	Maintenance Procedure	<input type="checkbox"/>	ASME Coded Item	<input type="checkbox"/>		
Const. Spec.	<input type="checkbox"/>	Engineering Procedure	<input type="checkbox"/>	Human Factor Consideration	<input type="checkbox"/>		
Procurement Spec.	<input type="checkbox"/>	Operating Instruction	<input type="checkbox"/>	Computer Software	<input type="checkbox"/>		
Vendor Information	<input type="checkbox"/>	Operating Procedure	<input type="checkbox"/>	Electric Circuit Schedule	<input type="checkbox"/>		
OM Manual	<input type="checkbox"/>	Operational Safety Requirement	<input type="checkbox"/>	ICRS Procedure	<input type="checkbox"/>		
FSAR/SAR	<input type="checkbox"/>	IEFD Drawing	<input type="checkbox"/>	Process Control Manual/Plan	<input type="checkbox"/>		
Safety Equipment List	<input type="checkbox"/>	Cell Arrangement Drawing	<input type="checkbox"/>	Process Flow Chart	<input type="checkbox"/>		
Radiation Work Permit	<input type="checkbox"/>	Essential Material Specification	<input type="checkbox"/>	Purchase Requisition	<input type="checkbox"/>		
Environmental Impact Statement	<input type="checkbox"/>	Fac. Proc. Samp. Schedule	<input type="checkbox"/>		<input type="checkbox"/>		
Environmental Report	<input type="checkbox"/>	Inspection Plan	<input type="checkbox"/>	N/A	<input checked="" type="checkbox"/>		
Environmental Permit	<input type="checkbox"/>	Inventory Adjustment Request	<input type="checkbox"/>		<input type="checkbox"/>		
19. Other Affected Documents: (NOTE: Documents listed below will not be revised by this ECN.) Signatures below indicate that the signing organization has been notified of other affected documents listed below.							
Document Number/Revision		Document Number/Revision		Document Number/Revision		Document Number/Revision	
N/A							
20. Approvals							
Signature		Date		Signature		Date	
OPERATIONS AND ENGINEERING				ARCHITECT-ENGINEER			
Cog./Project Engineer B. A. Williams		3/13/92		PE			
Cog./Project Engr. Mgr.				QA			
QA				Safety			
Safety				Design			
Security				Other			
Proj. Prog./Dept. Mgr.							
Def. React. Div.							
Chem. Proc. Div.							
Def. Wst. Mgmt. Div.				DEPARTMENT OF ENERGY			
Adv. React. Dev. Div.							
Proj. Dept.				ADDITIONAL			
Environ. Div.							
IRM Dept.							
Facility Rep. (Ops.)							
Other B. A. Williams		3/13/92					
R. L. Jackson		3/13/92					

Table 3.4, add the following to the table:

<u>Well Number</u>	<u>Type of Well</u>	<u>Approximate Hanford Coordinates</u>	<u>Approximate Depth to Water (ft)</u>	<u>Approximate Depth of Borehole (ft)</u>	<u>Screen Below Water Table (ft)</u>
299-E25-44	Shallow Monitoring	N39956 W45219	265'	282'	15'
299-E25-44	Shallow Monitoring	N39956 W44969	265'	280'	15'

Page 50-Figure 3.1, replace with attached Figure 3.1

9212641172



## DISTRIBUTION SHEET

To: Distribution From: B. A. Williams Date: 3/11/92

Project Title/Work Order:

Interim-Status Ground-Water Monitoring Plan for the Grout Treatment Facility

EDT No.: N/A

ECN No.: 166761

Name	MSIN	With Attachment	EDT/ECN & Comment	EDT/ECN Only
------	------	-----------------	-------------------	--------------

9 2 1 2 6 4 1 1 7 2 4  
R. L. Jackson H4-56 X  
A. J. Knepp H4-56 X  
J. F. Keller L4-78 X  
K. D. Reynolds H4-56 X  
L. C. Swanson H4-56 X  
D. K. Tyler H4-56 X  
B. A. Williams H4-56 X